ACTA MECHANICA SOLIDA SINICA

LIST OF CONTENTS

1989

Model optimization of hybrid stress general shell element.....SHENG-LIN DI, CHANG-CHUN WU and QI-GEN SONG (1-1)

An improved formulation for domain stress evaluation by boundary element method in elastoplastic problems.....QING-PING HUANG and QING-HUA DU (1-19)

An elastic micro-structural continuous damage model....GUANG-SONG YANG (1-25)

A geometrically nonlinear analysis of rotational shells using B-spline function.....YOU-LIN ZENG, ZHAN-XIN MEI and HONG WAN (1-37)

Three dimensional degenerated shell theory and assumed strain shell elements.....HOU-CHENG HUANG (1-51)

On the selection of trial functions in the method of weighted residuals.....TIAN-XIA SONG and DING-YIANG ZHENG (1-69)

Stability conditions for brittle-plastic symmetric thick-walled shell structures.....WEN-ZEN LIU and BING-YE XU (1-81)

Polarization of SH waves at an In-plane sheared contact interface.....YU-NING GONG (1-91)

Large deflections of shallow conical shells under uniform pressures.....WEI-PING SONG (1-103)

Some current studies on dynamic response of the circular cylindrical shells in elastic medium.....ZHI-YUAN WENG and BANG-WEI XU (1-111)

Constitutive potential for void-containing nonlinear materials and void growth.....TZE-CHIANG WANG and JIA-LIANG QIN (2-129)

Analysis of free vibration of coupled Reissner's plate-liquid-spring system.....YU-YING HUANG (2-147)

On the zero-curvature criterion for structures with material strengthening and geometrical non-linearity.....MING-WAN LU, WEI-MIN ZHANG and RU-YI ZHANG (2-163)

The mechanical behaviour of ductile materials damaged by two generations of voids.....GUO-CHEN LI (2-175)

Two dimensional stress intensity factor computations by multi-domain boundary element method for crack closure with friction.....

.....ZHANG-ZHI CEN, FEI QIN and QING-HUA DU (2-189)
An effective method for calculation of stresses in thin-walled curved tubes—the transfer matrix method.....WEN-MIN REN and H.Öry (2-203)
Necessary and sufficient condition for the correct formulation of boundary integral equations of harmonic functions.....HAI-CHANG HU (2-213)
The analytical method for three-dimensional elastic problems in finite deformations.....H.IMAI. and S.TAKAHASHI (2-221)
Statistically inhomogeneous media with randomly distributed inclusions.....
.....BIAO WANG, DIAN-FU WANG and DUO WANG (2-235)
The reasonableness problem of theories of structures carrying concentrated masses, springs and supports in vibration problems.....
.....DA-JUN WANG and WEN-QING WANG (2-247)
On the study of a penny-shaped crack in nonlocal elasticity.....
.....JIAN GAO and TIAN-MIN DAI (3-253)
Theory and solution of general fuzzy optimization for structures.....
.....SHU-XUN CHEN AND GUANG-YUAN WANG (3-271)
A method toward the construction of Liapunov function for discrete time systems and determination of their stability.....XI-ZHE ZHI (3-285)
Quadratic programming with parametric vectors in three-dimensional contact problems.....SU-MING SUN (3-295)
Postbuckling growth of a concentric delamination in a circular plate under axisymmetric compression and bending.....
.....ZHI-ZHONG FEI and WAN-LEE YIN (3-309)
Modal theory of elastic-viscoelastic composite structures.....
.....QIAN CHEN and DE-MAO ZHU (3-319)
Nonlinear dynamic buckling of a viscoelastic model under impact loading.....
.....A.N.KOUNADIS. J.RAFTOYIANNIS and J,MALLIS (3-331)
Prediction models of fatigue crack closure and growth under random loading....
.....MIN XIE and KANG-XIAN LI (3-349)
Effects of the curvature radius of a cylindrical shell on the stress intensity factors of surface cracks.....
.....XIAN-MING KONG, SI-TAO ZHENG and ZHEN-YUAN CUI (3-363)
Computer simulation of tensile deformation of aluminium bicrystalline specimen by means of elasto-plastic finite element method of crystal.....
.....CHAO WEI, SHI LIN, REN-GENG QIAN and JI-MEI XIAO (4-375)

An analysis on three-dimensional effects near the tip of a crack in an elastic plate.....ZHI-HE JIN and KEH-CHIH HWANG (4-387)
Theory of fuzzy random vibration with fuzzy parameters.....GUANG-YUAN WANG and JIN-PING OU (4-403)
Coupled analysis of elastic plate-infinite nonhomogeneous layered medium.....ZHI-YUAN CAO, Y.K. CHEUNG and CHUAN-JUN QU (4-415)
Transient response of flexible rotor with arbitrarily distributed mass through critical speed.....ZHI-CHU FANG and ZHEN-HUANG LUO (4-423)
The application of graph theory to the limit analysis for torsion of thin-walled bars with complex cross-sections.....YU-REN HU (4-437)
A study on caustic method in cracked plate under symmetric bending.....HONG CAO and YOU-QUAN JIA (4-453)
Influence of boundary conditions on dynamics and stability of thin cylindrical shells conveying fluid.....QIN-QIN WU and GUO-PU LEI (4-461)
A new kind of mixed elements for shells of revolution subjected to arbitrary loads.....YONG-JIAN REN, HAO-JIANG DING and HAI-CHANG HU (4-471)
The Generalized Nielsen's equations for controllable variable-mass systems.....LI-QUN CHEN (4-483)
List of contents 1989..... (4-491)